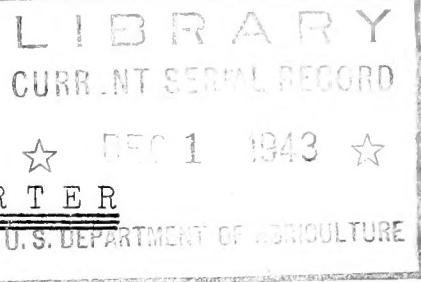


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Issued by

THE PLANT DISEASE SURVEY, DIVISION OF MYCOLOGY AND DISEASE SURVEY  
BUREAU OF PLANT INDUSTRY, UNITED STATES DEPARTMENT OF AGRICULTURE

SUPPLEMENT 135

DISEASES OF PLANTS REPORTED IN TEXAS SINCE 1933

June 15, 1942

The Plant Disease Reporter is issued as a service to plant pathologists throughout the United States. It contains reports, summaries, observations, and comments submitted voluntarily by qualified observers. These reports often are in the form of suggestions, queries, and opinions, frequently purely tentative, offered for consideration or discussion rather than as matters of established fact. In accepting and publishing this material the Division of Mycology and Disease Survey serves merely as an informational clearing house. It does not assume responsibility for the subject matter.



## DISEASES OF PLANTS REPORTED IN TEXAS SINCE 1933

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Plant Disease Reporter  
Supplement 135

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This list includes plant diseases found by members of the Division of Plant Pathology and Physiology since the publication of the Check List of Plant Diseases<sup>1/</sup> in 1933. New diseases reported each year have been included in the annual report of the Texas Station up to and including 1937. Since that time they have been reported only through the annual report to the Division of Mycology and Plant Disease Survey. New host plants of the cotton root rot fungus since the publication of the list of susceptible and non-susceptible plants in 1936<sup>2/</sup> are also included in this compilation.

Material or cultures in some instances were sent to the Division of Mycology and Disease Survey and other authorities for identification or confirmation. Herbarium specimens are available in some cases.

ABELIA GRANDIFLORA	Chlorosis	Physiological
AGROSTIS STOLONIFERA	Chlorosis	Physiological
AILANTHUS GLANDULOSA	Leaf blight	<i>Piricularia grisea</i> (Cke.) Sacc.
ALBIZZIA JULIBRISSIN	Twig blight	<i>Diplodia natalensis</i> Pole-Evans
	Root rot	<i>Phymatotrichum omnivorum</i> (Shear) Dug.
ALEURITES FORDII	Crown canker	<i>Diplodia natalensis</i> Pole-Evans
	Seedling blight	<i>Sclerotium rolfsii</i> Sacc.
ALLIUM ASCALONICUM	Yellow dwarf	Virus
ALLIUM CANADENSE	Yellow dwarf	Virus
ALLIUM CEPA	Bulb rot	<i>Fusarium</i> sp.
	Leaf spot	<i>Aspergillus nidulans</i> (Eidam) Winter
	Purple blotch	<i>Macrosporium porri</i> Ell.
	Yellow dwarf	Virus
ALLIUM SATIVUM	Bulb rot (dry)	Aspergillus sp. Diplodia sp. <i>Fusarium</i> sp. <i>Helminthosporium</i> sp. <i>Penicillium</i> sp. <i>Sclerotium bataticola</i> Taub. <i>Trichoderma</i> sp.
	Bulb rot (soft)	<i>Bacillus carotovorus</i> L.R. Jones

1/ Taubenhaus, J. J. and W. N. Ezekiel. Trans. Texas Acad. Sci. 16 (1931-1932): 5-118. Austin, Texas. 1933.

2/ Taubenhaus, J. J. and W. N. Ezekiel. A rating of plants with reference to their relative resistance or susceptibility to *Phymatotrichum* root rot. Texas Agr. Exp. Stat. Bull. 527. 50 pp. 1936.

ALLIUM VINEALE	Yellow dwarf	Virus
ALTHEA ROSEA	Rust	<i>Puccinia malvacearum</i> C. E. Bertero
AMARANTHUS CAUDATUS	Curly top	Virus
AMARANTHUS RETROFLEXUS	Fern-leaf mosaic	Virus
AMARANTHUS SPINOSUS	Root knot	<i>Heterodera marioni</i> (Cornu) Goodey
AMARANTHUS TRICOLOR	Curly top	Virus
AMARYLLIS BELLADONNA	Spotted wilt	Virus
AMBROSIA SP.	Stem rot	<i>Sclerotium bataticola</i> Taub.
AMBROSIA ARTEMISIFOLIA	Yellows	Virus
AMPELOPSIS ACCNITIFOLIA	Leaf spot	<i>Tuberularia nigricans</i> (Bull.) Sacc.
AMPELOPSIS TRICUSPIDATA	Leaf spot	<i>Cercospora pustula</i> Cke.
AMYGDALUS PERSICA	Canker	<i>Phoma persicae</i> Sacc.
ANODA HASTATA	Rust	<i>Puccinia</i> sp.
ANTIRRHINUM MAJUS	Crown rot	<i>Myrothecium roridum</i> Tode
ARACHIS HYPOGEA	Root & stem rot	<i>Pythium</i> sp.
	Witches' broom	Undet.
	Rust	<i>Puccinia arachidis</i> Speg.
ASTRAGALUS MOLLISSIMUS	Crown rot	<i>Fusarium</i> sp.
ATRIPLEX AVENARIA	Curly top	Virus
ATRIPLEX LENTIFORMIS	Curly top	Virus
ATRIPLEX PATULA	Curly top	Virus
AVENA SATIVA	Root lesion	<i>Pratylenchus pratensis</i> (de Man) Filipjev
AZALEA SP.	Flower spot	<i>Ovulinia azaleae</i> Weiss
	Leaf gall	<i>Exbasidium vaccinii</i> (Fckl.) Wor.
BACCHARIS NEGLECTA	Root rot	<i>Phymatotrichum omnivorum</i> (Shear) Dug.
BAMBUSA SP.	Leaf spot	<i>Coniosporium shiraianum</i> (Syd.) Bub.
BARBAREA VULGARIS	Curly top	Virus
BAUHAVIA (ORCHID TREE)	Leaf spot	<i>Colletotrichum</i> sp.
BEGONIA SP.	Crown rot	<i>Rhizoctonia solani</i> Kühn
BÉTA VULGARIS	Curly top	Virus
BIGNONIA RADICANS	Mosaic	Virus
BOERHAAVIA ERECTA	Leaf spot	<i>Myrothecium roridum</i> Tode
	Black rot	<i>Bacterium campestre</i> (Pammel) E.F.S.
BRASSICA ALBA	Root knot	<i>Heterodera marioni</i> (Cornu) Goodey
BRASSICA CAMPESTRIS	Crown gall & witches' broom	<i>Bacterium tumefaciens</i> Smith & Townsend
BRASSICA RAPA	Anthracnose	<i>Colletotrichum higginsianum</i> Sacc.
	Leaf spot	<i>Cercospora albomaculans</i> (Ell. & Ev.) Sacc.
	Mosaic	Virus
	Leaf spot	<i>Cylindrosporium brassicae</i> Fautr. & Rouss.

BRASSICA JUNCEA	White rust	Albugo ( <i>Cystopus</i> ) <i>occidentalis</i> (Wilson) Sacc. & Trav.
BROMUS UNIOLOIDES	Smut	<i>Ustilago bromivora</i> (Tul.) Fisch.
BRYOPHYLLUM SP.	Leaf spot	<i>Alternaria tenuis</i> Nees
BUCHLOE (BULBILIS) DACTYLOIDES	Leaf spot	<i>Cercospora seminalis</i> Ell. & Ev.
BUXUS SEMPERVIRENS	Root lesion	<i>Pratylenchus pratensis</i> (de Man) Filipjev
CALENDULA OFFICINALIS	Chlorosis	Physiological
CALLICARPA AMERICANA	Spotted wilt	Virus
CALLISTEPHUS CHINENSIS	Mosaic	Virus
CAMELLIA	Downy mildew	<i>Basidiophora entospora</i> Roze & Cornu
CAMELLIA SASANQUA	Leaf spot	<i>Colletotrichum gloeosporioides</i> Penz.
CANNA INDICA	Root knot	<i>Heterodera marioni</i> (Cornu) Goodey
CAPSICUM ANNUUM	Leaf gall	<i>Exobasidium camelliae</i> Shirai
	Rust	II, undet.
	Anthracnose	<i>Gloeosporium piperatum</i> Ell. & Ev.
CAPSICUM ANNUUM	Black mold	<i>Cladosporium herbarum</i> (Pers.) Lk.
CAPSICUM FRUTESCENS	Curly top	Virus
CAPSICUM FRUTESCENS VAR. GROSSUM	Early blight	<i>Alternaria solani</i> (Ell. & Mart.) Jones & Grout
CARTHAMUS TINCTORIUS	Spotting	<i>Bacterium vesicatorium</i> Doidge
CASSIA ARTEMISIOIDES	Mosaic	Virus
CASSIA OCCIDENTALIS	Curly top	Virus
CATALPA SP.	Leaf spot	<i>Septoria carthami</i> Muras
CELOSIA ARGENTEA	Stem & twig blight	<i>Diplodia natalensis</i> Pole-Evans
CELOSIA ARGENTEA CRISTATA	Root knot	<i>Heterodera marioni</i> (Cornu) Goodey
CELTIS SP.	Leaf spot	Cercospora sp.
CELTIS MISSISSIPPIENSIS	Chlorosis	Physiological
	Curly top	Virus
	Limb canker	
	Root rot	
	Leaf spot	
CERCIS SP.	Leaf spot	Virus
CHAMAECYPARIS OBTUSA	Stem canker	<i>Septobasidium sydowii</i> Couch
CHRYSANTHEMUM SP.	Blight	<i>Armillaria mellea</i> Vahl. ex Fr.
	Root lesion	<i>Ramularia celtidis</i> Ell. & Kellerm.
	Stem & foot rot	<i>Septoria</i> sp.
		<i>Valsaria insitiva</i> Ces. & DeNot.
		<i>Pestalozzia funerea</i> Desm.
		<i>Pratylenchus pratensis</i> (deMan) Filipjev
		<i>Fusarium</i> sp.

CHRYSANTHEMUM LEUCANTHEMUM	Pink Mold	Fusarium martii App. & Wr. var. minus Sherb.
CICHORIUM ENDIVIA		Fusarium semitectum Berk. & Rav.
CITRULLUS VULGARIS	Tip blight Black rot Charcoal rot Leaf blight	Bacterium (undet.) Helminthosporium (undet. sp.) Sclerotium bataticola Taub. Macrosporium cucumerinum Ell. & Ev.
CITRUS SP.	Black melanose Blue & green mold Gummosis Phytophthora rot Leaf spot	Undetermined Penicillium sp. Undetermined
CITRUS GRANDIS	Leaf spot Sooty blotch	Phytophthora parasitica Dastur. Colletotrichum gloeosporioides Penz.
CITRUS LIMONIA	Chlorosis Gummosis Root rot Scaly bark Wither tip	Septoria sp. Gloeodes pomigena (Schw.) A.S. Colby
CITRUS NOBILIS UNSHIU CITRUS SINENSIS	Scab Stem-end rot Twig blight	Physiological Undetermined Phytophthora sp. Virus Colletotrichum gloeosporioides Penz.
COLEUS SP.	Scab	Sphaceloma fawcettii Jenkins
COPROSMA BOWERI	Chlorosis	Diplodia natalensis Pole-Evans
COREOPSIS SP.	Damping-off	Tryblidiella rufula (Spreng) Sacc. (saprophytic?)
COTONEASTER	of seedlings	Sphaceloma fawcettii Jenkins
	Fruit rot	Physiological
	Sooty mold	Nematodes
	Splitting	Fusarium limonis Briosi
	Crown rot	Capnodium sp.
	Leaf spot	Non-parasitic
	Crown rot	Rhizoctonia solani Kühn
	Stem blight	Undet. Macrosporium
		Sclerotium rolfsii Sacc.
	Twig blight	Macrophoma stage of Physalos- pora obtusa (Schw.) Cke.
CUCUMIS MELO	Curly top	Sphaeropsis malorum Pk. [Physalospora obtusa]
CUCUMIS SATIVUS	Leaf spot	Virus
CUCURBITA MAXIMA	Curly top Gray rot Leaf spot & stem rot	Cercospora sp. Virus Diplodia sp. Phoma subvelata Sacc.

CUPRESSUS SP.	Leaf blight	Macrophoma cupressi (Cke. & Harkn.) Berl. & Bogl.
CYDONIA JAPONICA	Twig blight	Sphaeropsis malorum Pk.
CYNODON DACTYLON	Smut	Dothiorella ribis (Fuck.) Sacc.
DAHLIA	Spotted wilt	Ustilago cynodontis Henn.
DATURA METELOIDES	Verticillium wilt	Virus
DATURA TATULA	Spotted wilt	Verticillium albo-atrum Reinke & Berth.
DAUCUS CAROTA	Spotted wilt	Virus
DIANTHUS SP.	Aster yellows	Alternaria crassa (Sacc.) Rands
DIANTHUS BARBATUS	Leaf blight	Virus
DIANTHUS CARYOPHYLLUS	Anthracnose	Virus
	Curly top	Macrosporium carotae Ell. & Langlois
	Curly top	Vermicularia sp.
	Leaf spot & blight	Virus
	Stem blight	Alternaria dianthi Stevens & Hall
DICDIA TERES	Rust	Vermicularia herbarum (Pers.) Lk.
DIOSPYROS KAKI	Wilt	Uromyces sporococes (Schw.) Curt.
DIOSPYROS VIRGINIANA	Wilt	Verticillium albo-atrum Reinke & Berth.
DOLICHOS SPHAEROSPERMUS	Wood decay	Cephalosporium sp.
ECHINOCEREUS CHLORANTHUS	Root rot	Sphaeropsis malorum Pk.
ECHINOCHELOA CRUSGALLI	Damping-off	Rhizoctonia sp.
ERIGERON CANADENSIS	Decay	Various fungi
ESCHSCHOLTZIA CALIFORNICA	Dwarf	Helminthosporium sp.
	Mosaic	Virus
		Virus
EUCALYPTUS LONGIROSTRIS	Collar rot	Alternaria sp.
ALGERIENSIS	Curly top	Virus
EUONYMUS SP.	Root rot	Phymatotrichum omnivorum (Shear) Dug.
	Root knot	Heterodera marioni (Cornu) Goodey
EUSTOMA RUSSELLIANUM	Stem blight	Alternaria sp.
FICUS CARICA	Canker	Stilbum cinnabarinum Mont.
	Fruit rot	Choanephora cucurbitarum (B. & Br.) Thaxter
	Leaf spot	Cercospora bolleana (Thüm.) Speg.
	Mosaic	Virus
	Stem blight	Botryosphaeria ribis Gross. & Dug.
FRAGARIA SP.	Sooty mold	Capnodium sp.
	Crimp	Aphelenchoides fragariae (Ritzema Bos) Christie

FRAGARIA SP.	Leaf spot	Dendrophoma obscurans (Ell. & Ev.) H.W. Anderson
FRAXINUS BERLANDIERI	Violet root rot	Rhizoctonia crocorum (Pers.) DC.
FRAXINUS TEXENSIS	Leaf spot	Cercospora sp.
FRAXINUS VELUTINA	Rust	Puccinia peridermiospora (Ellis & Tr.) Arth.
GARDENIA FLORIDA	Sooty mold	Fumago vagans Pers.
	Bud drop	Physiological
GILIA RUBRA	Meadow nematode	Pratylenchus pratensis (de Man) Filipjev
GLADIOLUS SP.	Dry rot	Fusarium sp.
	Root knot	Heterodera marioni (Cornu) Goodey
GLOXINIA SPECIOSA	Spotted wilt	Virus
GOMPHRENA GLOBOSA	Curly top	Virus
GOMPHRENA NITIDA	Curly top	Virus
GOSSYPIUM HIRSUTUM	Crown gall	Bacterium tumefaciens Smith & Townsend
	Phyllosticta leaf spot	Phyllosticta gossypina Ell. & Mart.
	Moldy leaf spot	Cercospora gossypina Cke.
	Wilt	Verticillium albo-atrum Reinke & Berth.
HELIANTHUS ARGOPHYLLUS	Downy mildew	Plasmopara halstedii (Farl.) Berl.
	Leaf spot	Septoria helianthi Ell. & Kellerm.
HIBISCUS SABDARIFFA	Leaf spot	Cercospora polymorpha Bub.
HIBISCUS SP.	Anthracnose	prob. Colletotrichum hibisci Pcll.
HICCRIA PECAN	Leaf spots	Mycosphaerella dendroides (Cke.) Demaree & Cole
		Mycosphaerella caryigena Demaree & Cole (Cercosporella caryigena (Ell. & Ev.) Höhn.)
HOLCUS SP.	Blight	Pestalozzia uvicola Speg.
	Root and crown rot	Diplodia natalensis Pole-Evans
HOLCUS HALEPENSIS	Smut	Pythium arrhenomanes Drechs.
HOLCUS SORGHUM	Streak	Sphacelotheca cruenta (Kühn) Potter
	Seedling blight	Bacterium holcicola Elliot
		Colletotrichum graminicolum (Ces.) Wils.
	Leaf spot	Fusarium moniliforme Sheld.
	Lodging, char-coal rot	Phyllosticta sorghina Sacc.
	Root rot	Sclerotium bataticola Taub.
		Pythium arrhenomanes Drechs.

HOLCUS SORGHUM SUDANENSIS	Crown rot Leaf rust Leaf stripe Southern blight Rust Stem blight	Colletotrichum lineola Cda. Puccinia sorghi Schw. Bacterium andropogoni E.F.S. Sclerotium rolfsii Sacc. Puccinia hydroctyles Cke. Phoma herbarum West. Macrosporium pucciniodes Ell. & Ev.
HYDRANGEA SP. HYDROCOTYLE SP. HYMENOCLEA MONOGYNA	Rust Leaf spot Leaf spot Sooty mold Curly top Curly top White rust Curly top White rust	Puccinia splendens Vize Rhytisma ilicinola Schw. Phyllosticta opaca Ell. & Ev. Fumago sp. Virus Virus Albugo sp. Virus Albugo ipomoeae-panduranae (Schw.) Sw.
ILEX DECIDUA ILEX OPACA	Rust Leaf spot Leaf spot Sooty mold Curly top Curly top White rust Curly top White rust	Puccinia iridis (DC.) Rabh. Stagonospora pini Grove Gloeosporium allescheri Bres.
IPOMOEA BATATAS IPOMOEA PANDURATA IPOMOEA PURPUREA IPOMOEA TRIFIDA	Rust Needle blight Anthracnose	Phymatotrichum omnivorum (Shear) Dug.
IRIS SP. JUNIPERUS MEXICANA KENTIA SP. KOELREUTERIA BIPINNATA	Root rot	Virus Virus Virus Physiological Oidium sp., and Erysiphe lagerstroemiae West
LACTUCA CANADENSIS LACTUCA GRAMINIFOLIA LACTUCA SATIVA LAGERSTROEMIA INDICA	Spotted wilt Spotted wilt Spotted wilt Chlorosis Powdery mildew	Fumago vagans Pers. Cladosporium album Dowson Rhizoctonia crocorum (Pers.) DC. Sclerotium rolfsii Sacc. Pestalozzia guepini Desm.
LATHYRUS CDORATUS LEPACHYS COLUMNIFERA LESPEDEZA STIPULACEA LIGUSTRUM SP.	Sooty mold Leaf mold Violet root rot Southern blight Leaf spot Sooty mold Chlorosis Crown gall	Fumago sp. Physiological Bacterium tumefaciens Smith & Townsend
LIGUSTRUM AMURENSE LIGUSTRUM LUCIDUM COMPACTUM	Root knot Bud rot Mosaic Scale rot Boll & leaf spots Damping-off Pasmo Rust	Heterodera marioni (Cornu) Goodey Fusarium sp. Virus Penicillium sp.
LILIUM LONGIFLORUM	Curly top Spotted wilt Curly top	Alternaria sp. Sclerotium rolfsii Sacc. Phlyctaena linicola Speg. Melampsora lini (Pers.) Lév.
LINUM USITATISSIMUM		Virus Virus Virus
LOBELIA CARDINALIS LOBELIA INFLATA		

LOBELIA SPICATA	Curly top	Virus
LOBELIA SPLENDENS	Spotted wilt	Virus
LCLIUM MULTIFLORUM	Rust	Puccinia coronata Cda.
LONICERA SP.	Leaf spot	Cercospora antipus Ell. & Holw.
LUPINUS SUBCARNOSUS	Spotted wilt	Virus
LYCOPERSICUM ESCULENTUM	Bacterial speck	Bacterium punctulans Bryan
	Buckeye rot	Phytophthora parasitica Dastur
	Bunchy top	Virus
	Catface	Undetermined
	Core rot	Undetermined
	Crown rot & stem canker	Alternaria sp.
	Curly top	Helminthosporium sp.
	Damping-off	Phoma destructiva Plowr.
	Early blight	Virus
	Fern leaf	Pythium sp.
	Filiform leaf	Rhizoctonia sp.
	Fruit mottle	Fusarium sp.
	Fruit pox	Alternaria solani (Ell. & Mart.) Jones & Grout
	Fruit rots:	
	(Smoky rot)	Aspergillus flavus Link (produces perithecia)
	(Yellow rot)	Aspergillus flavus Link (produces sclerctiae)
	(Green rot)	Aspergillus luteo-niger (Lutz) Thom & Church
	(Botrytis rot)	Aspergillus ochraceus Wilhelm
	Mold	Aspergillus nidulans (Eidam) Winter
	(Brown mold)	Aspergillus tamarii Kita
	(Pink mold)	Aspergillus terreus Thom
	(Myrothecium rot)	Botrytis cinerea Auct.
	(Inkspot rot)	Botryosporium pulchrum Cda.
	(Phoma rot)	Chaetomium bostrychodes Zopf
	(Soft rot)	Fusarium sp.
	Sclerotium rot	Fusarium sp.
	Black rot	Myrothecium sp.
		Pestalozzia sp.
		Phoma destructiva Plowr.
		Pythium sp.
		Rhizopus nigricans Ehr.
		Sclerotinia minor Jagger
		Thielaviopsis basicola (Berk.) Ferraris
		Vermicularia dematum (Pers.) Fr.

## LYCOPERSICUM ESCULEN-

TUM	Leaf roll	Virus ?
	Milky leaf	Undetermined
	Mosaic (Aucuba)	Virus
	Mosaic (crinkle)	Tobacco virus #1
	Mosaic (cucumber)	Virus
	Mosaic (leaf curling)	Virus
	Mosaic (curly)	Virus
	Mosaic (dwarf)	Virus
	Mosaic (yellow)	Virus
	Mosaic (rugose)	Virus
	Nailhead rust	Alternaria tomato (Cke.) ( <i>Macrosporium</i> tomato Cke.)
	Puff	Non-parasitic
	Spotted wilt	Virus
	Streak	Virus
	Tip blight	Virus
	Yellows	Virus
LYSIMACHIA NUMMULARIA	Root knot	<i>Heterodera marioni</i> (Cornu) Goodey
MAGNOLIA SP.	Leaf spot	<i>Heterosporium magnoliae</i> Weedon
	Leaf spot	<i>Alternaria tenuis</i> Nees
	Leaf spot	<i>Epicoccum nigrum</i> Link
	Leaf spot	<i>Exophoma magnoliae</i> Weedon
	Leaf spot	<i>Pestalozzia guepini</i> Desm.
	Leaf spot	<i>Cephaleuros virescens</i> Kze.
MAGNOLIA GRANDIFLORA	Root knot	<i>Heterodera marioni</i> (Cornu) Goodey
MALUS SYLVESTRIS	Sooty blotch	<i>Gloeodes pomigena</i> (Schw.) A.S. Colby
	Flyspeck	<i>Leptothyrium pomi</i> (Mont. & Fr.) Sacc.
MALVAVISCUS SP.	Twig blight	<i>Sclerotinia sclerotiorum</i> (Lib.) Mass.
MATTHIOLA INCANA	Anthracnose	<i>Colletotrichum gloeosporioides</i> Penz.
	Leaf spot	<i>Myrothecium roridum</i> Tode
	Spotted wilt	Virus
	Spotted wilt	Virus
MATTHIOLA BICORNIS	Downy mildew	<i>Peronospora trifoliorum</i> de Bary
MEDICAGO SATIVA	Leaf spot	<i>Cercospora subsessilis</i> Syd.
MELIA AZEDARACH	Twig & stem blight	<i>Fusarium lateritium</i> Nees
MELILCTUS ALBA	Leaf spot	<i>Eutypella stellulata</i> (Fr.) Sacc.
MELILCTUS ALBA ANNUA	Anthracnose	<i>Ascochyta meliloti</i> (Trel.) Davis
MORUS SP.	Leaf spot	<i>Colletotrichum trifolii</i> S.M. Bain
MCRUS NIGRA	Leaf spot	<i>Phleospora maculans</i> (Bereng.) Allescher
MCRUS RUBRA	Blight	<i>Phleospora maculans</i> (Bereng.) Allescher <i>Bacterium mori</i> (Boyer & Lambert) emend. E.F.S.

MUSA SP.	Root lesion	<i>Rotylenchus multicinctus</i> (Cobb) Filipjev
NANDINA DOMESTICA	Leaf spot	<i>Gloeosporium</i> sp.
NICOTIANA TABACUM	Mosaic	Virus
NICOTIANA LONGIFLORA	Curly top	Virus
NICOTIANA RUSTICA	Curly top	Virus
ORYZA SATIVA	Black kernel	<i>Curvularia lunata</i> (Wakker) Boedijn <i>Entyloma oryzae</i> H. & P. Syd. <i>Piricularia oryzae</i> Bri. & Cav. Virus ?
	Leaf smut	Caused by stink bug injury followed by two species of <i>Fusaria</i> identified by C. D. Sherbakoff as <i>F. moniliforme</i> Sheld. and <i>F. semitectum</i> Berk. & Rav.
	Rotten neck	
	Dwarf	
	Chalky dry rot	
OXALIS SP.	Rust	<i>Aecidium oxalidis</i> Thüm.
OXALIS CORNICULATA	Curly top	Virus
CXALIS STRICTA	Curly top	Virus
CXALIS VILACEA	Curly top	Virus
PANICUM CAPILLARIOIDES	Leaf spct	<i>Stagonospora curvula</i> Bomm. & Rouss.
PAPAVER NUDICAULE	Curly top	Virus
PAPAVER ORIENTALE	Curly top	Virus
PASPALUM DIGITATUM	Head mold	<i>Fusarium</i> sp.
PELARGONIUM SP.	Leaf spot	<i>Alternaria tenuis</i> Nees.
PELARGONIUM DOMESTICUM	Spotted wilt	Virus
PELARGONIUM GRAVEOLENS	Spotted wilt	Virus
PERSEA AMERICANA	Fruit rot	<i>Colletotrichum</i> sp.
	Fruit spct	<i>Cercospora</i> sp.
PHASEOLUS LATIFCLIUS	Curly top	Virus
PHASEOLUS LUNATUS	Ashy stem blight	<i>Macrophomina phaseoli</i> (Maubl.) Ashby
MACROCARPUS	Curly top	Virus
PHASEOLUS VULGARIS	Ashy stem blight	<i>Macrophomina phaseoli</i> (Maubl.) Ashby
	Curly top	Virus
	Halo blight	<i>Bacterium medicaginis</i> (Sackett) E.F.S.
		<i>Cercospora canescens</i> E. & M.
	Leaf spot	<i>Erysiphe polygoni</i> DC.
	Powdery mildew	<i>Pratylenchus pratensis</i> (de Man) Filipjev
	Meadow nematode	Virus
	Yellow mosaic	<i>Phymatotrichum omnivorum</i> (Shear) Dug.
PHILADELPHUS GRANDIFLORUS	Root rot	<i>Graphiola phoenicis</i> (Moug.) Poit.
PHCENIX CANARIENSIS	(False smut)	<i>Heterodera marioni</i> (Cornu) Goodey
PHYTCLACCA AMERICANA	Root knot	<i>Rhizoctonia crocorum</i> (Pers.) DC.
PHYTCLACCA DECANDRA	Violet root rot	Virus
	Fern-leaf mosaic	Virus
	Mosaic	Virus
PHYSALIS FEDERAEFOLIA	Crinkle mosaic	Virus

PICEA ENGELMANNI	Blight	Pestalozzia sp.
PINUS SP.	Sooty mold	Undetermined
	Twig blight	<i>Macrophoma magnifructa</i> (Pk.) Sacc.
PINUS RESINOSA	Blight	<i>Pestalozzia funerea</i> Desm.
PINUS PALUSTRIS	Rust	<i>Peridermium carneum</i> (Bosc) Seym. & Earle
PINUS TAEDA		<i>Lecanosticta acicola</i> (Thüm.) Syd.
PISUM SATIVUM	Leaf blight	<i>Cladosporium pisi</i> Cu. & Ma.
PLATANUS SP.	Anthracnose	<i>Gnomonia veneta</i> (Sacc. & Speg.) Kleb.
PLUMBAGO SP.	Root knot	<i>Heterodera marioni</i> (Cornu) Goodey
POINCIANA GILLIESII	Root rot	<i>Phymatotrichum omnivorum</i> (Shear) Dug.
POLYANTHES TUBEROSA	Root knot	<i>Heterodera marioni</i> (Cornu) Goodey
POPULUS SP.	Leaf spot	<i>Septoria populi</i> Sacc.
	Twig blight	<i>Cytospora chrysosperma</i> (Pers.) Fr.
	Leaf spot	<i>Alternaria tenuis</i> Nees.
	Canker	<i>Cytospora chrysosperma</i> (Pers.) Fr.
POPULUS ALBA NIVEA	Root rot	<i>Phymatotrichum omnivorum</i> (Shear) Dug.
PRUNUS DOMESTICA	Leaf spot	<i>Cercospora circumscissa</i> Sacc.
PRUNUS SP.	Chlorosis	Physiological
PRUNUS ANGUSTIFOLIA	Limb canker	<i>Bacterium pruni</i> E.F.S.
	Brown rot	<i>Sclerotinia fructicola</i> (Wint.) Rehm
	Rust	<i>Tranzschelia pruni-spinosae</i> (Pers.) Diet.
PRUNUS VIRENS	Root rot	<i>Phymatotrichum omnivorum</i> (Shear) Dug.
PSEUDERA QUINQUEFOLIA		<i>Guignardia bidwellii</i> (Ell.) Viala & Ravaz
PSEUDCTSUGA DOUGLASII		<i>Botrytis douglasii</i> Tub.
PYRACANTHA SP.	Root rot	<i>Phymatotrichum omnivorum</i> (Shear) Dug.
PYRUS COMMUNIS	Leaf spot	<i>Entomosporium maculatum</i> Lév.
	Sooty blotch	<i>Gloeodes pomigena</i> (Schw.) A. S. Colby
QUERCUS SP.	Leaf spot	<i>Phomopsis</i> sp.
QUERCUS MARILANDICA		<i>Hypoderma ilicinum</i> de N.
QUERCUS STELLATA	Twig blight	<i>Morencella quercina</i> (Ell. & Mart.) Theissen.
QUERCUS VIRGINIANA	Root decay	<i>Xylaria</i> sp.
	Die-back	<i>Trabutia erythrospora</i> (Berk. & Curt.) Cke.
RAUNUCULUS FASCICULARIS	Curly top	<i>Coryneum</i> sp.
		<i>Pseudovalsa sigmoidea</i> (Cke. & Ell.) Sacc.
		Virus

RANUNCULUS PUSILLUS	Curly top	Virus
RANUNCULUS SCELERATUS	Curly top	Virus
RHEUM RHAPONTICUM	Oak root rot	Armillaria mellea Vahl. ex Fr.
RHUS VIMINALIS	Root rot	Phymatotrichum omnivorum (Shear) Dug.
 RHYNCHOSPODIA COMICULATA		
VAR. INTERIOR	Smut	Testicularia cyperi Klotzsch
RIVINA HUMULIS	Violet root rot	Rhizoctonia crocorum (Pers.) DC.
ROSA SP.		Alternaria brassicae (Berk.) Sacc. var. microspora P. Brun.
	Black spot	Diplocarpon rosae Wolf
	Cane canker	Phomopsis incarcerata (Sacc.) Höhn.
	Cane canker	Pestalozzia rosae Westd.
	Cane spot	Sclerotiopsis concava (Desm.) Shear & Dodge
	Crown canker	Diplodia natalensis Pole-Evans
	Crinkle	Virus
	Die-back	Diplodia rosae Berk. & Curt.
	Die-back	Physalospora obtusa (Schw.) Cke. (Sphaeropsis malorum Pk.)
	Hairy root	Phytomonas rhizogenes Riker et al.
	Leaf spot	Mycosphaerella rosicola (Pass.) B. H. Davis
	Leaf spot	Sclerotiopsis lythri (Desm.) Shear & Dodge
	Powdery mildew	Sphaerotheca pannosa (Wallr.) Lév.
	Rust	Phragmidium sp. (not P. americanum nor P. rosae-setigerae)
	Rust	Phragmidium americanum (Pk.) Diet.
	Stem canker	Coniothyrium fuckelii Sacc.
	Streak	Virus
	Twig blight	Botryosphaeria ribis Gross. & Dug.
	Mosaic	Virus
	Black spot	Diplocarpon rosae Wolf
	Rust	Phragmidium rosae-setigerae Diet.
	Double blossom	Fusisporium rubi Wint.
	Die-back	Coniothyrium sp.
	Leaf spot	Septoria sp.
	Sooty blotch	Gloeodes pomigena (Schw.) Colby
	Violet root rot	Rhizoctonia crocorum (Pers.) DC.
	Stem and twig	
	blight	Diplodia salicina Lév.
	Twig canker	Diplodia sp.
	Spotted wilt	Virus
	Spotted wilt	Virus
	Blight	Pestalozzia funerea Desm.
	Leaf spot	Cercospora smilacina Sacc.
	Leaf spot	Cladosporium sp.
ROSA MANETTI		
ROSA BRACTEATA		
ROSA SETIGERA		
RUBUS SP.		
 RUBUS TRIVIALIS		
SALIX DISCOLOR		
SAMBUCUS SP.		
SCHIZANTHUS PINNATUS		
SENECIO CRUENTUS		
SEQUOCIA GIGANTEA		
SILIX BONA-NOX		
SOLANDRA GUTTATA		

SOLANUM CAROLINENSE	Curly top	Virus
SOLANUM MELOGENA	Bunchy top	Virus
	Curly top	Virus
	Sooty mold	Fumago sp.
	Seedling wilt	<i>Pratylenchus pratensis</i> (de Man) Filipjev
	Yellows	Virus
SOLANUM NIGRUM	Curly top	Virus
SOLANUM ROSTRATUM	Curly top	Virus
SOLANUM TUBEROSUM	Black heart	Physiological
	Calico	Virus
	"Haywire"	Virus
	Curly top	Virus
	Interveinal mild mosaic	Virus
	Rugose and crinkle mosaic	Virus
	Spindle tuber	Virus
	Tuber rot	<i>Fusarium sulphureum</i> Schl.
	Curly top	Virus
	Fusarium wilt	<i>Fusarium spinaciae</i> Sherb.
	Rhizoctonia root rot	Rhizoctonia sp.
	White rust	<i>Albugo (Cystopus) occidentalis</i> (Wilson) Sacc. & Trav.
SPOROBOLUS SP.	Leaf spot	<i>Helminthosporium ravenelii</i> Berk. & Curt.
STATICE SP.		<i>Cercospora staticis</i> Lobik
STATICE DUMOSA	Leaf spot	<i>Phyllosticta armeriae</i> Allesch.
STENOTAPHRUM SECUNDA- TUM	Brown patch	Rhizoctonia solani Kühn
	Foot rot	<i>Helminthosporium</i> sp.
TAMARIX ARTICULATA	Root rot	<i>Phymatotrichum omnivorum</i> (Shear) Dug.
THUJA SP.	Chlorosis	Physiological
	Damping-off	Rhizoctonia sp.
	Leaf blight	<i>Macrosporium helminthosporioides</i> (Cda.) Sacc. & Trav.
THYELLA THAMNIFOLIA	Mosaic	Virus
TRAGIA URENS	Stem blight	<i>Sclerotium</i> sp.
TRIFOLIUM AMPHRANTHUM	Rust	<i>Uromyces minor</i> Schroet.
TRIFOLIUM CAROLIN- IANUM	Rust	<i>Uromyces</i> sp.
TRIPSACUM DACTY- LOIDES	Rust	<i>Puccinia polysora</i> Underw.
TROPAEOLUM MAJUS	Curly top	Virus
TROPAEOLUM MINUS	Curly top	Virus
TSUGA CANADENSIS	Blight	<i>Pestalozzia funerea</i> Desm.
ULMUS CRASSIFOLIA	Twig blight	<i>Diplodia ulmi</i> Dearness
	Twig blight	<i>Septobasidium</i> sp.

ULMUS PARVIFOLIA	Twig blight	Tubularia sp. (apparently. Dr. Diehl says "This is a remarkable fungus and not at all typical!")
	Twig blight	Didymosphaeria sp.
VACCINIUM (BATODEN- DRON) ARBOREUM	Rust	Sacidium ulmi-gallae Kell. & Sw.
VERNONIA FASCICULATA	Ashy stem blight	Ophiodothella vaccinii Boyd
VIGNA SINENSIS	Chlrosis	Coleosporium vernoniae B. & C.
	Crinkle mosaic	Macrophomina phaseoli (Maubl.) Ashby
	Stem blight	Physiological
VIOLA COLORATA	Curly top	Virus
	Scab	Sclerotium bataticola Taub.
VIOLA TRICOLOR	Curly top	Virus
VIOLA SP.	Leaf spot	Sphaceloma violae Massey & Jenkins
WASHINGTONIA FILIFERA	False smut	Virus
WISTERIA FRUTESCENS	Powdery mildew	Colletotrichum violae-rotundi- foliae (Sacc.) Davis
YUCCA	Leaf spot	Grahiola phoenicis (Moug.) Poit.
ZANTEDESCHIA AETHIO- PICA	Spotted wilt	Erveiphe cichoracearum D.C.
ZANTEDESCHIA ALBO- MACULATA	Spotted wilt	Epicoccum asterinum Pat.
ZANTEDESCHIA REH- MANNI	Spotted wilt	Virus
ZEA MAYS	Stalk rot	Virus
	Wilt	Bacterium dissolvens Rosen
		Aplanobacter stewartii (E.F.S.) McCul.
ZINNIA ELEGANS	Black bundle	Cephalosporium acremonium Cda.
ZINNIA SP.	Leaf spot	Bacterium sp.
	Stalk rot	Pythium butleri Subramanian
	Root knot	Heterodera marioni (Cornu) Goodey
	Spotted wilt	Virus



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